

MDTKHFLPLDFSTQVNSSLTSTPTGRGSMAPSLHPSLGPGLGSPGQLHSPISTLSSPINGMG
PPFSVISSPMGPHSMVPTTPTLGFSTGSPQLSSPMNPVSSSEDIKPLGLNGVLKVPAPHS
GNMASFTKHICAICGDRSSGKHYGVSCEGCKGFFKRTVRKDLTYTCRDNKDCLIDKRQRNR
CQYCRYQKCLAMGMKREAVQEERQGRGKDRNENEVESTSSANEDMPVERILEAELAVEPKTET
YVEANMGLNPSSPNDPVTNICQAADKQLFTLVEWAKRIPHFSSELPLDDQVILLRAGWNELLI
ASFSHRSIAVKDGILLATGLHVHRNSAHSAGVGAIFDRVLTELVS KM RDMQMDKTELGCLRA
IVLFNPDSKGLSNPAEVEALREKVYASLEAYCKHKYPEQGRFAKLLRLPALRSIGLKCLE
HLFFFKLIGDTPIDTFLMEMLEAPHQMT

FIGURE 1A

MSWAARPPFLPQRHAAGQCGPVGVRKEMHCGVASRWRRRRPWLDFAAAAAA VAGGEQQTPE
PEPGEAGRDGMDSGDRSRS PDSSSFNPLPQGVPPSPPGPPLPSTAPSLGGSGAPPPPFM
PPPLGSPFPVVISSMGSPGLPPAPPGFSGPVSSPQINSTVSLPGGSGPPEDVKFPVLGV
RGLHCPPPPGPGAGKRLCAICGDRSSGKHYGVSCEGCKGFFKRTIRKDLTYSCRDNDCT
VDKRQRNRQCQYCRYQKCLATGMKREAVQEERQGRGKDKDGDGEGAGGAPEEMPVDRILEAELA
VEQKSDQGEVGGTGGSGSPNDPVTNICQAADKQLFTLVEWAKRIPHFSSELPLDDQVILL
RAGWNELLIASFSHRSIDVRDGILLATGLHVHRNSAHSAGVGAIFDRVLTELVS KM RDMRMD
KTELGCLRAIILFNPDAGLSNPSEVEVLREKVYASLETYCKQKYPEQQGRFAKLLRLPAL
RSIGLKCLEHLFFFKLIGDTPIDTFLMEMLEAPHQLA

FIGURE 1B

MYGNYSHFMKFPAGYGGSPGHTGSTMSPSAALSTGKPMDSHPSTDTFVSAPRTLSAVGTP
LNALGSPYRVITSAMGPPSGALAAPPGINLVAPPSSQLNVNVS VSSSEDIKPLPLGPGIGNM
NYPSTSPGSLVKHICAICGDRSSGKHYGVSCEGCKGFFKRTIRKDLTYTCRDNKDCLIDKR
QRNRQCQYCRYQKCLVMGMKREAVQEERQSRERAESAEACATSGHEDMPVERILEAELAVEP
KTESYGDMMENSTNDPVTNICHAAADKQLFTLVEWAKRIPHFSDLTLEDQVILLRAGWNELL
IASFSHRSVSVQDGILLATGLHVHRSSAHSAGVGSIFDRVLTELVS KM KDMQMDKSELGCLR
AIVLFNPDAGLSNPSEVETLREKVYATLEAYTKQKYPEQGRFAKLLRLPALRSIGLKCL
EHLFFFKLIGDTPIDTFLMEMLETPLQIT

FIGURE 1C

092225-030201

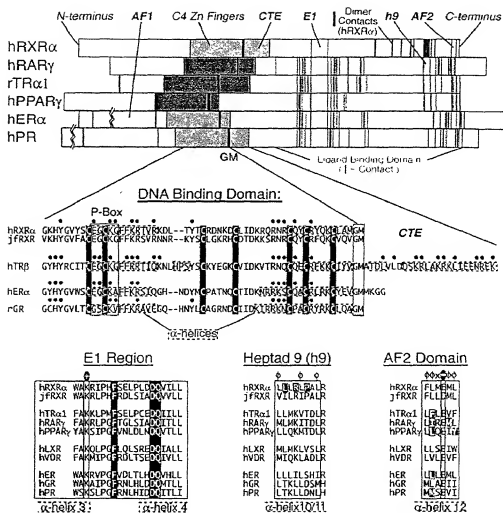


FIGURE 2

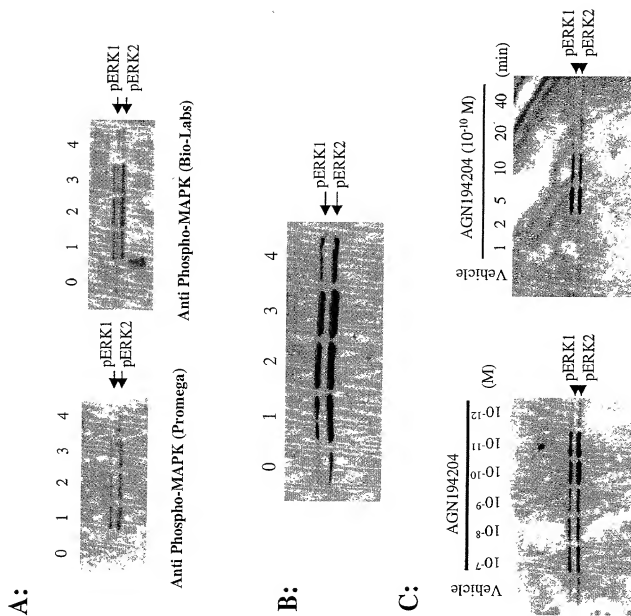


FIGURE 3

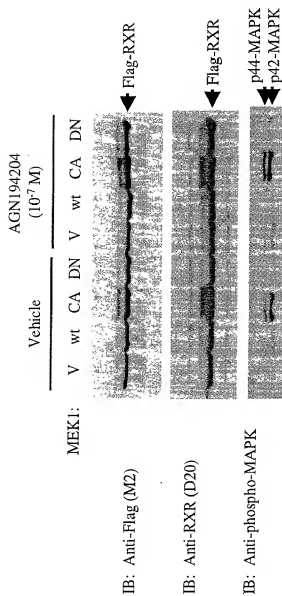


FIGURE 4

102080-92222660

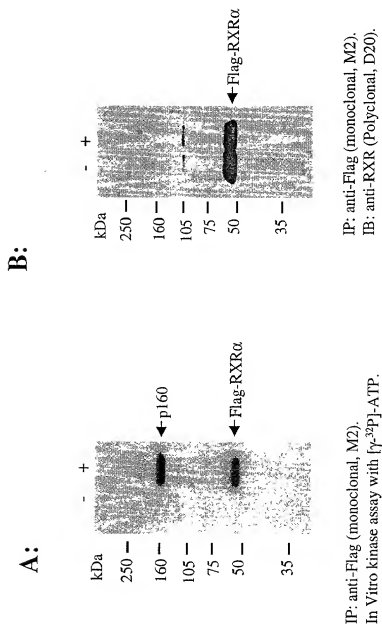
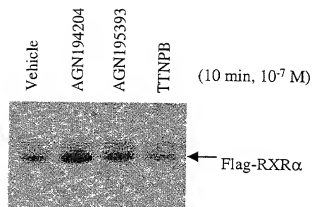


FIGURE 5

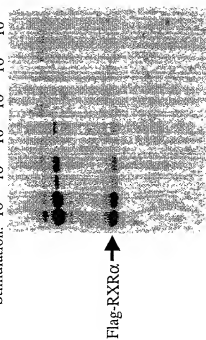
C:



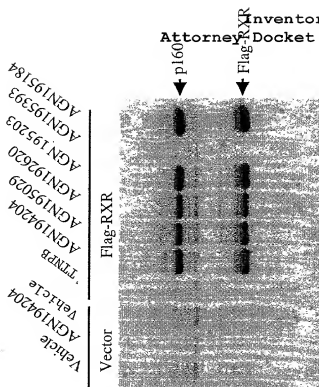
In vivo labeling with [32 P]ortho-phosphate.

A:

IP Buffer: - + - + - + - + - + - + - + - +
 Stimulation: 10⁻⁶ 10⁻⁷ 10⁻⁸ 10⁻⁹ 10⁻¹⁰ 10⁻¹¹ (M) AGN194204 (10 min)



B:



Attorney: **XX** Inventors: Zhao et al.
 Docket No.: P-AR 4681

FIGURE 6

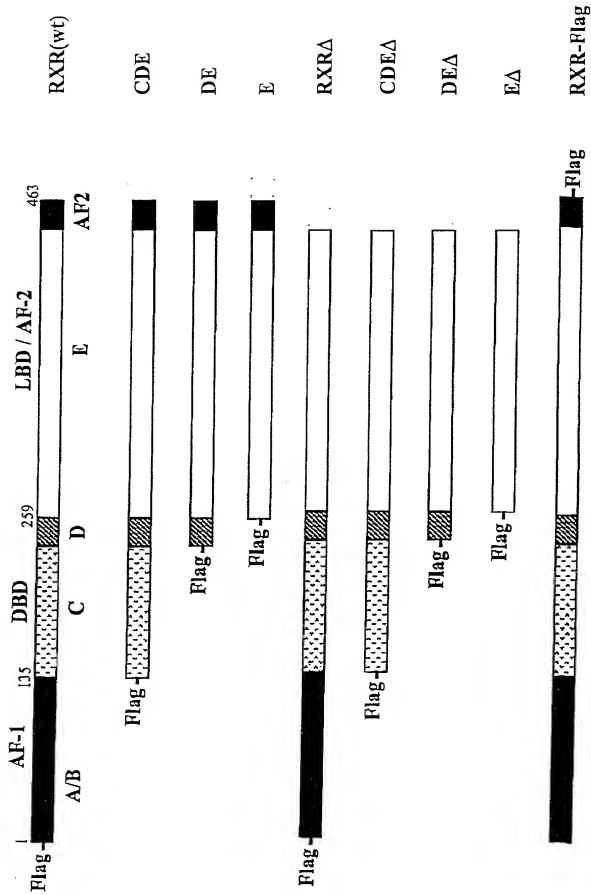


FIGURE 7

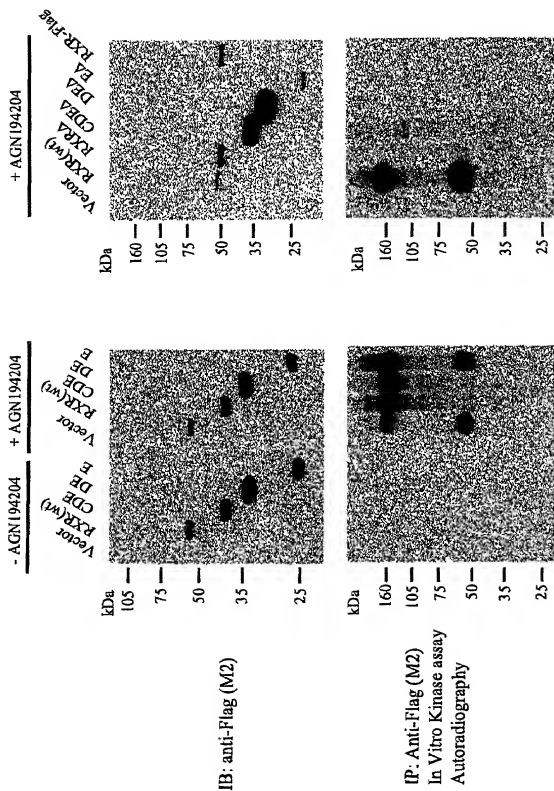


FIGURE 8

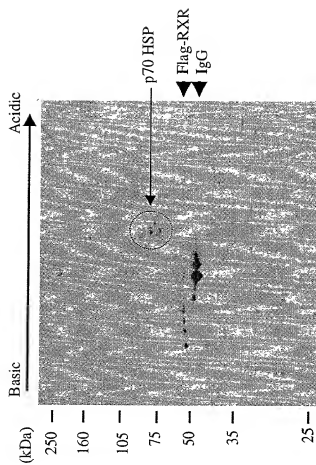


FIGURE 9



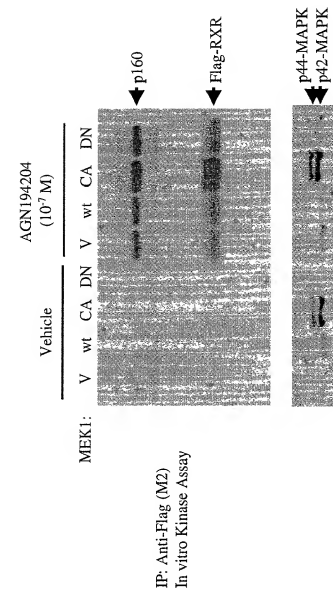


FIGURE 11

B:

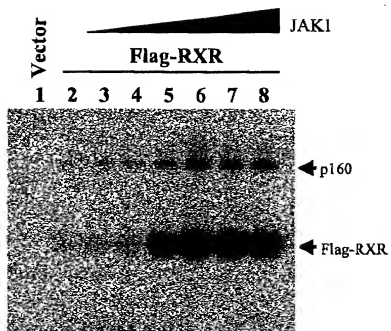
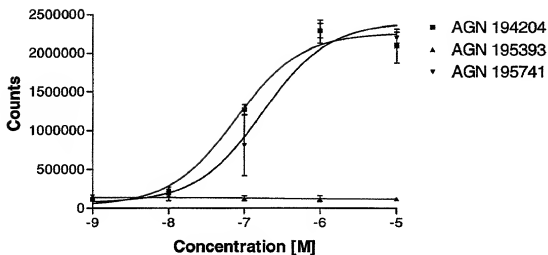


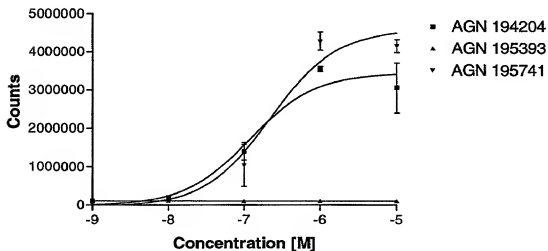
FIGURE 11 CONTINUED

A



	AGN 194204	AGN 195393	AGN 195741
EC50	7.7150e-008		1.7540e-007

B



	AGN 194204	AGN 195393	AGN 195741
EC50	1.2010e-007		2.2510e-007

FIGURE 12

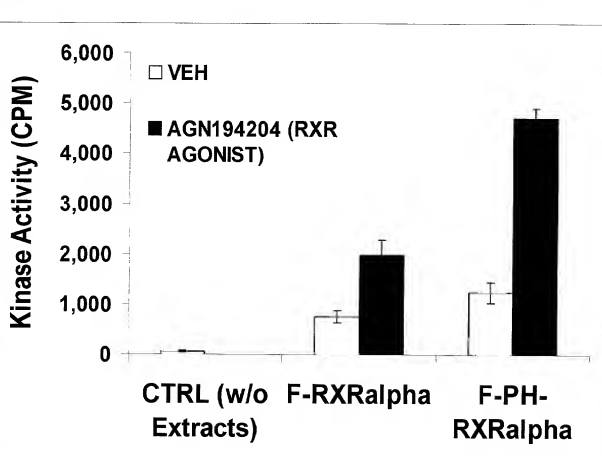
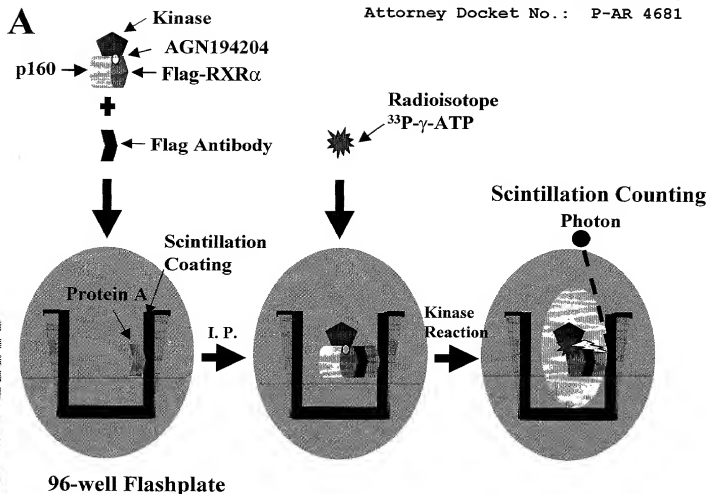
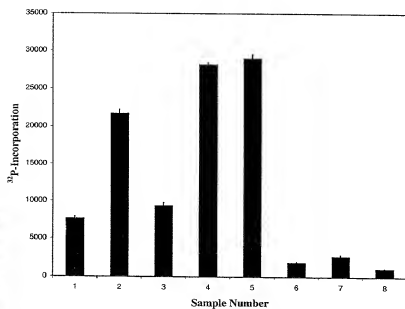


FIGURE 13

A:



B:

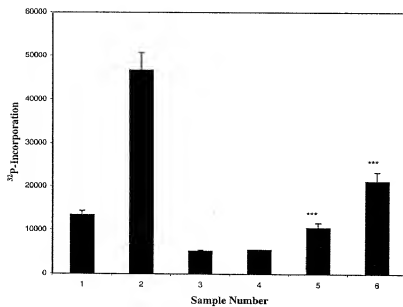


FIGURE 14

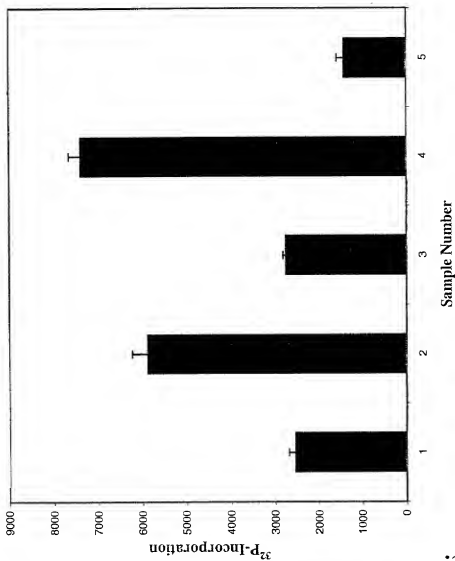
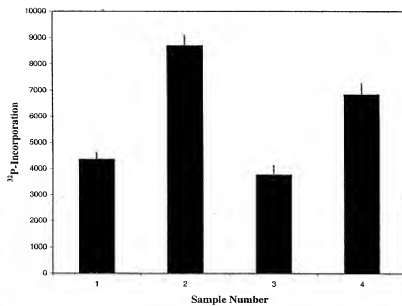


FIGURE 14 CONTINUED

09222226-080201

A:



B:

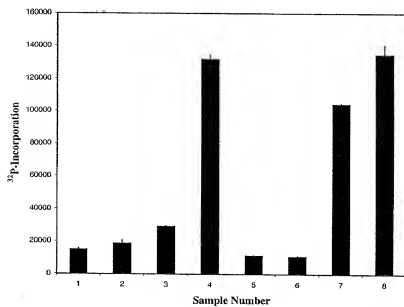


FIGURE 15

102030*92222660

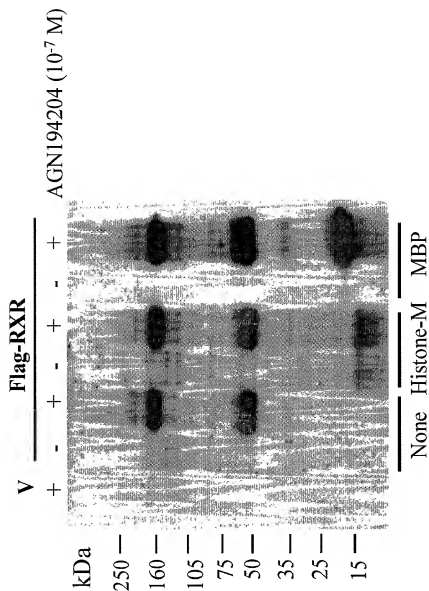


FIGURE 16

		IP with anti-flag (RXR α)		Cell Lysate				IP with anti- PKA		Cell Lysate	
AGN194204		-	+	-	+	AGN194204		-	+	-	+
		Western Blot with Anti-PKA						Western Blot with Anti-flag (RXR α)			

B:

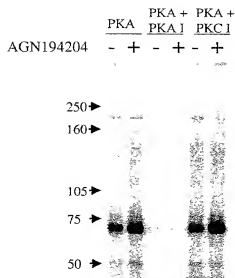


FIGURE 17

Plec-N . . . MEPRKRIE GYLVRKGSV FNT WKPHRVVLE DGH EBYKKK SD NSPKGHTLCK
Plec-C EEFRRGVTKO GYLVRKCHR RKN WKPHRVVLE DPAYL HWYDPA GA EDPGATIDR
RasGAP DAFYKNTIKK GYLVRKCKG RKN WKPHRVVLE SDACL HWYDPA KRA TKPRGILDS
Akt . . . MNEVSVITE GYLVRKCEY RKN WKPHRVVLE DGSPH QYRFP E APCDTLPON
Spectrin TOETPSAOME GYLVRKLEWE AHNKKASSS WHNVYCVINN QEX CHVYDA KTAASGIP YHSEVPRCK
BARK YALGKDCIMH GYLVRKCNP FLTO WDPRYVLP NRK EBYGEG EADSVLITE
Tiaml-PH1 VRKAGALAVK NNLVHKNK KVESATREK WHNVYVSLG CTL FEVYFD GRSRTHD NS/PKIAWTV
Grb7 LNAGSFPEIO GYLVRKCBG RGGGRRL WKPRVCPRR SCL VYTKG TSKDP RHLOQVALDN
Dynamn NQDELVLGVK GYLVRKINNIG IMGGG SKPYVEVLP ENL SVYVLD EEE KEDVYVLD
Irs1 TDGFSVDRVY GYLVRKKS MHKREHARA ASEAGGPALV EBYVNI KKWRRKS SADRSVLE
RasGRF-PH1 LLAQRDGTAK GYLVRKSSD NEK WTKRFPALQ NLL FVYVFD S/NFSGHLL
RasGRF-PH2 LDTSQTFVIO GYLVRKQVMS <10>GSLSLK BGRKCSLS KHL LCTRGS SOSKLH LTKNGILIT
Dbl IGHKKQATIK KVLSPK PMCRHILVE KAN VCKRR VEGSGSDRPSY YRMCOWKMD
Vav LANYGRPKID GYLVRKTSVE RPS KTDVYVLD KAL LICKRR GDS YDLNASTVH
Sos GQCCNEFIME GYLVRKIME KHEHILVE G MITCCSNHGQ PRLPGASNAE YRLNKFVPR
Bcr VFLFTDILLC TKHLDGGG KTCQ NPTCKWVLD TDL SEVYVDELEA VFNIPVLPDE ELDAKLKDS
Btk . . . MAAVTES IELVSKQK KKTSPLN NKLGLITV HKL SVYVFD FERGRG GS/KGILVE
PLC-delta DDPDLQAKH GYLVRKKS SSW RRRRRLVE DCK TIVGES RKVMR SPESQVFSSE
PLC-gamma VLHLCRSEV GYLVRKTLFYS KKSQRE RMPQVKLET RQT TISRGA DKTEGATPR

FIGURE 18

Plec-N GSTVTSPCQD FGKRL MFVSLIT TTKQQ DHFPOAF EBRDAMVD NKATCIEG
Plec-C GCVVPSVESN SNGR K SEENLSPIT TADLV VFOAM PKERTPILKA DMNRSTQ
RasGAP VCSVWVHDS LFGRL PNOGIV VQHPFS EE HYHYFAGEIT PDAEDMAG LQAFCNLRKS
Akt . . . NPSVABCOLM KTER PRPNTFIR CLDVT T VIERTFHYTS PDEREEMHA DMVANSIRO
Spectrin GAVCEVALDY HKK HVEKIR LNDN EYVLOD DEBNVILIA ESNVSSGKI
BARK BQDSVEETOY KER KCLLEK TROCK CEHLODS DEBEVQKKE ERYAREAQ
Tiaml-PH1 BNSVQVQVE HPMK DFVETIS NSLGD AFLPCTIS TEENMFA ESNAAAVA
Grb7 BSNVAVVTOG RQVY G MPTDEGIVY PNKLR NGH KGLHVCSED GSPCPNMA ERYKGVQVL
Dynamn NIDGRDVEKG FMSS KHEVSE NTRDNNVYKD YROLVACEB GEDSDMKAS FLNBYYSR
Irs1 SCFNINRAD SPK HAVVYV TRDGH EADVAE EADSDMKAS FLQHMRA
RasGRF-PH1 BQDSCKRMPK PEGTSSKES DKQHLPDEN FSNPS QKSLMAYDD SKBEDMDVA PARVYKILA
RasGRF-PH2 ECTELDDPEN MDDV GKQK EVDHLPDEN VEPKD SP PFTVLEASS RDEAAAMSD FLOCTNIEQ
Dbl GYHVEYVKG DH RNPBLV YGKRE ERYVQASN RLVNNTIRE ERYNILLKQE
Vav SFCVDDSSG EEDN KKWSPHPI ELGCA QVDFEKN RLVKRRMEO FEMVSNIPY
Sos KLVNKKDDT NEYK HAFVIL LADEN SVVFSMS ADESNMFA ELSLQVSTL
Bcr EYSDIQREK RANV19>LL MSPSMARVH SRVEX SVVFLTSS DYBRABREN TRDOOKKCFR
Btk NTCVETVVP EYV19>II ERFYPVAV VDEGP LTVFSPH BLRKRMTIQ ERYNRYNSD
PLC-delta EYGEVRMGRH TEGLEKFARD IPEDRCFVY FVDRN TLCLTSS PRDAQNMVG ERYKILIHSGS
PLC-gamma EYKIRPGKT SDF<7>AFR PDQSHVIL YGMEF RL KTLSSQATSE ERYNNMIRG ERYVHEDTLO